To start, an order for the transmitter/ receiver was sent out as of Monday Sept. 17, 2007. In testing, the LCD screen was connected to the battery. A video connection was made between the LCD screen and the computer. As the above screens show, the display device works as a video output of the computer.
Work on the Input Device

My main focus of work this week was the input device. The switch was first tested on a protoboard to verify that it worked. A 2.40 volt source with a switch was put in series with an LED. The switch was triggered, and the LED turned on.

I soldered the switch on to positions C1 and R2. Since the device is essentially a single switch, I use the row intended for use with foot pedals. This row of pins allows for inputs of 3 or less. I succeeded in getting the input device to be detected by the computer. I studied how to create a driver for the input device that would allow the computer to understand commands. However, I was unable to get a driver built.

In addition, I redesigned the enclosure of the input device. Measurements were made for mounting surfaces of the switch, button, and Xkeys USB board. I discovered that in order to get realistic measurements for the mounting surfaces I had to create a scaffold of regular paper. I slowly modified it to make it easier for the PVC to fit. The figure below illustrates the top mounting surface measurements.
Future Work

For future work, I will continue to finalize my other figures in Visio. I will also continue to work on the input device driver that will allow the computer to recognize commands. It is possible that there is a problem in how I connected the wires. I still need to purchase rubber feet for it as well. Work on the input device will be my primary focus for the next week. In conjunction with this, I will also continue to learn FLASH.

Project Review

The project appears to be running smoothly. This week I was mainly focused on the plans for the input device. All the parts, minus the rubber feet, are all here. I expect that in the next couple weeks that the input device will be completed, if I continue my focus on it. Each of us in the group appears to be focused on a certain area ensuring that each part gets done in a timely fashion.

Hours Worked

12